Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

MODIFIED ESTIMATE

Name of Work: Improvements of Roads and Drains at Kalli Bhavi Road and Surrounding Areas in Ward no.01 of Yelahanaka Sub Division.

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (KPWD SR 2018-19, Page No.143, Item No.19.1)								
	RCC Drain								
	Down Bazar Rd (RHS)	1	88.00	1.50	1.20	158.40			
	Down Bazar Rd (LHS)	1	141.70	1.10	1.20	187.04			
	Timmarayappa Rd	1	34.30	1.00	1.00	34.30			
	Sadguru School Road	1	76.00	1.00	1.00	76.00			
	Down Bazar								
	Cross Rd 01	1	41.40	1.00	1.00	41.40			
	Cross Rd 02	1	41.50	1.00	1.00	41.50			
	Jayaram House Rd	1	54.90	1.00	1.00	54.90			
	Chandraprasanna House Rd	1	51.80	1.00	1.00	51.80			
	Desilt								
	Down Bazar Main Rd	1	117.50	0.90	0.50	52.88			
	Main Rd From Jayaram House Rd	1	95.60	0.45	0.45	19.36			
	Chowdeshwari Temple, 2nd Cross Rd	1	30.30	0.30	0.45	4.09			
	Chowdeshwari Temple, 1st Cross Rd	1	38.00	0.45	0.45	7.70			
	Vivekananda Statue Rd	1	60.80	0.45	0.45	12.31			
	Kalli Bhavi Rd	1	195.40	0.45	0.45	39.57			
	Hoovadigara Beedi	1	26.50	0.45	0.45	5.37			
	Gangangamma Gudi Rd From Hoovadigara Beedi	1	85.00	0.45	0.40	15.30			
	Culvert								
	Down Bazar Rd From Amulya Biriyani Corner(RHS)	5	4.50	1.50	1.20	40.50			
	LHS	1	3.90	1.80	1.20	8.42			
		1	10.60	2.10	1.20	26.71			
	Jayaram House Rd	1	4.60	1.50	1.20	8.28			
	Main Rd from Jayaram House Rd	1	5.40	1.50	1.20	9.72			
						895.55	Cum		
						895.55		225.94	202340.00
2	Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. A) 40mm jelly								
		Not Executed							

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						0.00	Cum	1995.10	0.00
3	b). 20mm Jelly								
		Not Executed							
						0.00	Cum	1995.10	0.00
4	c). Coarse Sand								
		Not Executed							
						0.00	Cum	2782.22	0.00
5	d) Fine Sand								
		Not Executed							
						0.00	Cum	2782.22	0.00
6	e) 12.5mm chips								
		Not Executed							
						0.00	Cum	1995.10	0.00
7	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-1995 with latest amendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : HDPE Grade PE80-PN6.0, 630 mm dia								
		Not Executed							
						0.00	Rmtr	11358.02	0.00
8	Providing of Geonets for Rain Water harvesting pit on top of the filter media as specified in drawings or as approved by Engineer Incharge								
		Not Executed							
						0.00	Sqm	74.55	0.00
9	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100								
	RCC Drain								
	Down Bazar Rd (RHS)	1	88.00	1.50	0.15	19.80			
	Down Bazar Rd (LHS)	1	141.70	1.10	0.15	23.38			
	Timmarayappa Rd	1	34.30	1.00	0.15	5.15			
	Sadguru School Road	1	76.00	1.00	0.15	11.40			
	Down Bazar								
	Cross Rd 01	1	41.40	1.00	0.15	6.21			
	Cross Rd 02	1	41.50	1.00	0.15	6.23			
	Jayaram House Rd	1	54.90	1.00	0.15	8.24			
	Chandraprasanna House Rd	1	51.80	1.00	0.15	7.77			
	For Kerb Stone								
	Down Bazar Rd From Amulya Biriyani Corner(RHS)	1	189.70	0.20	0.10	3.79			
	LHS	1	136.70	0.20	0.10	2.73			
	Culvert								

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Down Bazar Rd From Amulya Biriyani Corner(RHS)	5	4.50	1.50	0.15	5.06			
	LHS	1	3.90	1.80	0.15	1.05			
		1	10.60	2.10	0.15	3.34			
	Jayaram House Rd	1	4.60	1.50	0.15	1.04			
	Main Rd from Jayaram House Rd	1	5.40	1.50	0.15	1.22			
	CC Road								
	Down Bazar								
	Cross Rd 01	1	41.70	5.00	0.15	31.28			
	Cross Rd 02	1	41.20	4.10	0.15	25.36			
	Jayaram House Rd	1	52.50	4.00	0.15	31.50			
	Cross Road	1	19.30	3.40	0.15	9.84			
	Chandraprasanna House Rd	1	51.80	3.70	0.15	28.75			
	Chowdeshwari Temple, 2nd Cross Rd	1	38.00	4.20	0.15	23.94			
	Chowdeshwari Temple, 1st Cross Rd	1	26.70	1.90	0.15	7.61			
	Timmarayappa House Road (SC Area)	1	34.30	1.80	0.15	9.26			
	Hoovadigara Beedi	1	41.90	3.10	0.15	19.48			
	BDK Kumar House Road	1	39.80	5.80	0.15	34.63			
						328.04	**Cum**	**5690.28**	
						328.04		**5690.28**	**1866662.00**
10	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete								
	For Raft								
	RCC Drain								
	Down Bazar Rd (RHS)	1	88.00	1.20	0.15	15.84			
	Down Bazar Rd (LHS)	1	141.70	0.90	0.15	19.13			
	Timmarayappa Rd	1	34.30	0.80	0.15	4.12			
	Sadguru School Road	1	76.00	0.80	0.15	9.12			
	Down Bazar								
	Cross Rd 01	1	41.40	0.80	0.15	4.97			
	Cross Rd 02	1	41.50	0.80	0.15	4.98			
	Jayaram House Rd	1	54.90	0.80	0.15	6.59			
	Chandraprasanna House Rd	1	51.80	0.80	0.15	6.22			
	For Cuvlerts								
	Down Bazar Rd From Amulya Biriyani Corner(RHS)	5	4.50	1.20	0.25	6.75			
	LHS	1	3.90	1.50	0.25	1.46			
		1	10.60	1.80	0.25	4.77			
	Jayaram House Rd	1	4.60	1.20	0.25	1.38			
	Main Rd from Jayaram House Rd	1	5.40	1.20	0.25	1.62			
	For Wall								
	RCC Drain								

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Down Bazar Rd (RHS)	2	88.00	0.15	0.75	19.80			
	Down Bazar Rd (LHS)	2	141.70	0.15	0.90	38.26			
	Timmarayappa Rd	2	34.30	0.15	0.60	6.17			
	Sadguru School Road	2	76.00	0.15	0.45	10.26			
	Down Bazar								
	Cross Rd 01	2	41.40	0.15	0.60	7.45			
	Cross Rd 02	2	41.50	0.15	0.60	7.47			
	Jayaram House Rd	2	54.90	0.15	0.60	9.88			
	Chandraprasanna House Rd	2	51.80	0.15	0.60	9.32			
	For Cuvlerts								
	Down Bazar Rd From Amulya Biriyani Corner(RHS)	10	4.50	0.25	0.90	10.13			
	LHS	2	3.90	0.25	0.75	1.46			
		2	10.60	0.25	0.80	4.24			
	Jayaram House Rd	2	4.60	0.25	0.70	1.61			
	Main Rd from Jayaram House Rd	2	5.40	0.25	0.75	2.03			
	Desilt Drain Coping								
	Down Bazar Main Rd	2	117.50	0.15	0.10	3.53			
	Main Rd From Jayaram House Rd	2	95.60	0.15	0.10	2.87			
	Chowdeshwari Temple, 2nd Cross Rd	2	30.30	0.15	0.10	0.91			
	Chowdeshwari Temple, 1st Cross Rd	2	38.00	0.15	0.10	1.14			
	Vivekananda Statue Rd	2	60.80	0.15	0.10	1.82			
	Kalli Bhavi Rd	2	195.40	0.15	0.10	5.86			
	Hoovadigara Beedi	2	26.50	0.15	0.10	0.80			
	Gangangamma Gudi Rd From Hoovadigara Beedi	2	85.00	0.15	0.10	2.55			
						234.50	**Cum**	**7420.17**	**1740004.00**
11	KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing force. Complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per specifications. MORTH Specification No.2706 & 2200								
	Down Bazar Rd From Panchamukhi Anjanaya Temple	23				23.00			
	Timmarayappa Rd	5				5.00			
	Sadguru School Road	8				8.00			
	Cross Rd 01	3				3.00			
	Cross Rd 02	3				3.00			
	Jayaram House Rd	4				4.00			
	Chandraprasanna House Rd	4				4.00			
						50.00	**Nos**	**163.53**	**8,177.00**

	Description of Items	No	Length	Width	Depth	Quantity	Unit		
12	KSRRB M2300-14. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) including cost of materials, labour, HOM complete as per specifications.MORTH Specification No. 1600 & 2200								
	Steel for Drain	1	179.58	60.00		10107.13			
	Steel for Culvert	1	35.45	90.00		3190.05			
						13297.18			
						13.30	MT	77654.86	
						13.30		77654.86	1032590.00
13	Providing and fixing pre cast covering slab 100mm thick made out of 1:2:4 and jelly 20mm dowm size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per engineer incharge.								
	RCC Drain								
	Down Bazar Rd (RHS)	1	88.00	1.20		105.60			
	Down Bazar Rd (LHS)	1	141.70	0.90		127.53			
	Timmarayappa Rd	1	34.30	0.75		25.73			
	Sadguru School Road	1	76.00	0.75		57.00			
	Down Bazar								
	Cross Rd 01	1	41.40	0.75		31.05			
	Cross Rd 02	1	41.50	0.75		31.13			
	Jayaram House Rd	1	54.90	0.75		41.18			
	Chandraprasanna House Rd	1	51.80	0.75		38.85			
	Missing/Damaged Slabs								
	Down Bazar Main Rd	1	117.50	1.20		141.00			
	Chowdeshwari Temple, 2nd Cross Rd	1	30.30	0.60		18.18			
	Chowdeshwari Temple, 1st Cross Rd	1	38.00	0.75		28.50			
	Hoovadigara Beedi	1	26.50	0.75		19.88			
	Gangangamma Gudi Rd From Hoovadigara Beedi	1	85.00	0.75		63.75			
	Main Rd From Jayaram House Rd	66	0.60	0.75		29.70			
	Vivekananda Statue Rd	41	0.60	0.75		18.45			
	Kalli Bhavi Rd	152	0.60	0.75		68.40			
						845.91	Sqm	2452.68	2074747.00
14	Providing and fixing pre cast covering slab 250mm thick made out of 1:1.5:3 and jelly 20mm dowm size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per								
	For Cuvlerts								
	Down Bazar Rd From Amulya Biriyani Corner(RHS)	5	4.50	1.20		27.00			
	LHS	1	3.90	1.50		5.85			
		1	10.60	1.80		19.08			
	Jayaram House Rd	1	4.60	1.20		5.52			

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						57.45	Sqm	5686.19	
		Upto 125%				57.45		5686.19	326672.00
15	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing								
	For Kerb Stone								
	Down Bazar Rd From Amulya Biriyani Corner(RHS)	1	189.70			189.70			
	LHS	1	136.70			136.70			
						326.40	m		
						725.00	Nos	453.89	
		Upto 125%				655.00		453.89	297298.00
		Above 125%				70.00		453.89	31,772.00
16	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.								
	Down Bazar Rd From Amulya Biriyani Corner(RHS)	1	189.70		0.35	66.40			
	LHS	1	136.70		0.35	47.85			
						114.24	Sqm	89.00	
		Upto 125%				114.24		89.00	10,167.00
17	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.								
	CC Road								
	Down Bazar								
	Cross Rd 01	1	41.70	5.00	0.25	52.13			
	Cross Rd 02	1	41.15	4.10	0.25	42.18			
	Jayaram House Rd	1	52.50	4.00	0.25	52.50			
	Cross Road	1	19.30	3.40	0.25	16.41			
	Chandraprasanna House Rd	1	51.80	3.70	0.25	47.92			
	Chowdeshwari Temple, 2nd Cross Rd	1	38.00	4.20	0.25	39.90			
	Chowdeshwari Temple, 1st Cross Rd	1	26.70	1.90	0.25	12.68			
	Timmarayappa House Road (SC Area)	1	34.30	1.80	0.25	15.44			
	Hoovadigara Beedi	1	41.90	3.10	0.25	32.47			
	BDK Kumar House Road	1	39.80	5.80	0.25	57.71			
						369.32	Cum	1021.60	377301.00

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
18	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.								
	CC Road								
	Down Bazar								
	Cross Rd 01	1	41.70	5.00	0.15	31.28			
	Cross Rd 02	1	41.15	4.10	0.15	25.31			
	Jayaram House Rd	1	52.50	4.00	0.15	31.50			
	Cross Road	1	19.30	3.40	0.15	9.84			
	Chandraprasanna House Rd	1	51.80	3.70	0.15	28.75			
	Chowdeshwari Temple, 2nd Cross Rd	1	38.00	4.20	0.15	23.94			
	Chowdeshwari Temple, 1st Cross Rd	1	26.70	1.90	0.15	7.61			
	Timmarayappa House Road (SC Area)	1	34.30	1.80	0.15	9.26			
	Hoovadigara Beedi	1	41.90	3.10	0.15	19.48			
	BDK Kumar House Road	1	39.80	5.80	0.15	34.63			
						221.59	Cum	5468.90	1211877.00
								Total Construction Cost	9179607.00

Assistant Engineer
BBMP Bangalore

Asst. Executive Engineer,
BBMP Bangalore

Executive Engineer,
BBMP Bangalore

Technical Sanction
Accorded For ₹1,79607.-
Head of A/C P-3859
CER NO T5/38/21-22 Dt. 5/08/2021

CE (YNK)